

Yiying Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2088094/publications.pdf>

Version: 2024-02-01

140
papers

26,043
citations

18482

62
h-index

12946

131
g-index

146
all docs

146
docs citations

146
times ranked

25949
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Ultraviolet Nanowire Nanolasers. <i>Science</i> , 2001, 292, 1897-1899.	12.6	8,567
2	Thermal conductivity of individual silicon nanowires. <i>Applied Physics Letters</i> , 2003, 83, 2934-2936.	3.3	1,536
3	Mesoporous Co ₃ O ₄ Nanowire Arrays for Lithium Ion Batteries with High Capacity and Rate Capability. <i>Nano Letters</i> , 2008, 8, 265-270.	9.1	1,234
4	Direct Observation of Vapor-Liquid-Solid Nanowire Growth. <i>Journal of the American Chemical Society</i> , 2001, 123, 3165-3166.	13.7	980
5	Block-by-Block Growth of Single-Crystalline Si/SiGe Superlattice Nanowires. <i>Nano Letters</i> , 2002, 2, 83-86.	9.1	942
6	Ni ₃ Co ₃ O ₄ Nanowire Arrays for Electrocatalytic Oxygen Evolution. <i>Advanced Materials</i> , 2010, 22, 1926-1929.	21.0	837
7	Composite mesostructures by nano-confinement. <i>Nature Materials</i> , 2004, 3, 816-822.	27.5	626
8	Dye-Sensitized Solar Cells Based on Anatase TiO ₂ Nanoparticle/Nanowire Composites. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15932-15938.	2.6	578
9	Germanium Nanowire Growth via Simple Vapor Transport. <i>Chemistry of Materials</i> , 2000, 12, 605-607.	6.7	448
10	Reversible Dendrite-Free Potassium Plating and Stripping Electrochemistry for Potassium Secondary Batteries. <i>Journal of the American Chemical Society</i> , 2017, 139, 9475-9478.	13.7	395
11	Inorganic Semiconductor Nanowires: Rational Growth, Assembly, and Novel Properties. <i>Chemistry - A European Journal</i> , 2002, 8, 1260-1268.	3.3	394
12	Zinc Stannate (Zn ₂ SnO ₄) Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 4162-4163.	13.7	379
13	Thermal conductivity of Si/SiGe superlattice nanowires. <i>Applied Physics Letters</i> , 2003, 83, 3186-3188.	3.3	355
14	Nanoscale design to enable the revolution in renewable energy. <i>Energy and Environmental Science</i> , 2009, 2, 559.	30.8	348
15	Freestanding Mesoporous Quasi-Single-Crystalline Co ₃ O ₄ Nanowire Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 14258-14259.	13.7	338
16	A Low-Overpotential Potassium-Oxygen Battery Based on Potassium Superoxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 2923-2926.	13.7	298
17	MoS ₂ as a long-life host material for potassium ion intercalation. <i>Nano Research</i> , 2017, 10, 1313-1321.	10.4	275
18	p-type doping of MoS ₂ thin films using Nb. <i>Applied Physics Letters</i> , 2014, 104, 092104.	3.3	268

#	ARTICLE	IF	CITATIONS
19	Fabrication of Silica Nanotube Arrays from Vertical Silicon Nanowire Templates. <i>Journal of the American Chemical Society</i> , 2003, 125, 5254-5255.	13.7	257
20	Photoelectrochemical Study of the Band Structure of Zn ₂ SnO ₄ Prepared by the Hydrothermal Method. <i>Journal of the American Chemical Society</i> , 2009, 131, 3216-3224.	13.7	246
21	Integrating a redox-coupled dye-sensitized photoelectrode into a lithium-oxygen battery for photoassisted charging. <i>Nature Communications</i> , 2014, 5, 5111.	12.8	236
22	Potassium-Ion Oxygen Battery Based on a High Capacity Antimony Anode. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26158-26166.	8.0	227
23	Templated Synthesis of Highly Ordered Mesostructured Nanowires and Nanowire Arrays. <i>Nano Letters</i> , 2004, 4, 2337-2342.	9.1	205
24	Large area single crystal (0001) oriented MoS ₂ . <i>Applied Physics Letters</i> , 2013, 102, .	3.3	200
25	Photostable p-Type Dye-Sensitized Photoelectrochemical Cells for Water Reduction. <i>Journal of the American Chemical Society</i> , 2013, 135, 11696-11699.	13.7	189
26	Dimeric [Mo ₂ S ₁₂] ²⁺ Cluster: A Molecular Analogue of MoS ₂ Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15181-15185.	13.8	160
27	INORGANIC SEMICONDUCTOR NANOWIRES. <i>International Journal of Nanoscience</i> , 2002, 01, 1-39.	0.7	155
28	p-Type Dye-Sensitized Solar Cells Based on Delafossite CuGaO ₂ Nanoplates with Saturation Photovoltages Exceeding 460 mV. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1074-1078.	4.6	154
29	Localized High-Concentration Electrolytes Boost Potassium Storage in High-Loading Graphite. <i>Advanced Energy Materials</i> , 2019, 9, 1902618.	19.5	153
30	Monoammonium Porphyrin for Blade-Coating Stable Large-Area Perovskite Solar Cells with >18% Efficiency. <i>Journal of the American Chemical Society</i> , 2019, 141, 6345-6351.	13.7	149
31	Synthesis and photocatalytic properties of highly crystalline and ordered mesoporous TiO ₂ thin films. <i>Chemical Communications</i> , 2004, , 1670.	4.1	142
32	Ammonia-Evaporation-Induced Synthetic Method for Metal (Cu, Zn, Cd, Ni) Hydroxide/Oxide Nanostructures. <i>Chemistry of Materials</i> , 2008, 20, 567-576.	6.7	142
33	Unveiling the influence of electrode/electrolyte interface on the capacity fading for typical graphite-based potassium-ion batteries. <i>Energy Storage Materials</i> , 2020, 24, 319-328.	18.0	140
34	Membrane-Inspired Acidically Stable Dye-Sensitized Photocathode for Solar Fuel Production. <i>Journal of the American Chemical Society</i> , 2016, 138, 1174-1179.	13.7	122
35	Valence Band-Edge Engineering of Nickel Oxide Nanoparticles via Cobalt Doping for Application in p-Type Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5922-5929.	8.0	119
36	Capillary Encapsulation of Metallic Potassium in Aligned Carbon Nanotubes for Use as Stable Potassium Metal Anodes. <i>Advanced Energy Materials</i> , 2019, 9, 1901427.	19.5	118

#	ARTICLE	IF	CITATIONS
37	Understanding Side Reactions in O_2 Batteries for Improved Cycle Life. ACS Applied Materials & Interfaces, 2014, 6, 19299-19307.	8.0	117
38	Cu(i)-based delafossite compounds as photocathodes in p-type dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2014, 16, 5026.	2.8	116
39	Linker effect in organic donor-acceptor dyes for p-type NiO dye sensitized solar cells. Energy and Environmental Science, 2011, 4, 2818.	30.8	110
40	Solar-powered electrochemical energy storage: an alternative to solar fuels. Journal of Materials Chemistry A, 2016, 4, 2766-2782.	10.3	109
41	p-Type Dye-Sensitized NiO Solar Cells: A Study by Electrochemical Impedance Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 25109-25114.	3.1	101
42	Intramolecular Electric Field Construction in Metal Phthalocyanine as Dopant-Free Hole Transporting Material for Stable Perovskite Solar Cells with $\approx 21\%$ Efficiency. Angewandte Chemie - International Edition, 2021, 60, 6294-6299.	13.8	101
43	Potassium Superoxide: A Unique Alternative for Metal-Air Batteries. Accounts of Chemical Research, 2018, 51, 2335-2343.	15.6	99
44	Concentrated Electrolyte for the Sodium-Oxygen Battery: Solvation Structure and Improved Cycle Life. Angewandte Chemie - International Edition, 2016, 55, 15310-15314.	13.8	97
45	Efficient Grain Boundary Suture by Low-Cost Tetra-ammonium Zinc Phthalocyanine for Stable Perovskite Solar Cells with Expanded Photoresponse. Journal of the American Chemical Society, 2018, 140, 11577-11580.	13.7	95
46	Probing the Low Fill Factor of NiO p-Type Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2012, 116, 26239-26246.	3.1	94
47	Investigating dendrites and side reactions in sodium-oxygen batteries for improved cycle lives. Chemical Communications, 2015, 51, 7665-7668.	4.1	93
48	Metal Nanowire Formation Using Mo_3Se_3 -as Reducing and Sacrificing Templates. Journal of the American Chemical Society, 2001, 123, 10397-10398.	13.7	89
49	Simultaneous Stabilization of Potassium Metal and Superoxide in O_2 Batteries on the Basis of Electrolyte Reactivity. Angewandte Chemie - International Edition, 2018, 57, 10864-10867.	13.8	86
50	Germanium/carbon core-shell nanostructures. Applied Physics Letters, 2000, 77, 43-45.	3.3	84
51	Grain Boundary Engineering with Self-Assembled Porphyrin Supramolecules for Highly Efficient Large-Area Perovskite Photovoltaics. Journal of the American Chemical Society, 2021, 143, 18989-18996.	13.7	83
52	Synthesis, Photophysics, and Photovoltaic Studies of Ruthenium Cyclometalated Complexes as Sensitizers for p-Type NiO Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2012, 116, 16854-16863.	3.1	81
53	Artificial Solid-Electrolyte Interphase Enabled High-Capacity and Stable Cycling Potassium Metal Batteries. Advanced Energy Materials, 2019, 9, 1902697.	19.5	81
54	Exploring Stability of Nonaqueous Electrolytes for Potassium-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 1828-1833.	5.1	78

#	ARTICLE	IF	CITATIONS
55	Machine Learning for Understanding Compatibility of Organic-Inorganic Hybrid Perovskites with Post-Treatment Amines. <i>ACS Energy Letters</i> , 2019, 4, 397-404.	17.4	78
56	Scalable synthesis of delafossite CuAlO ₂ nanoparticles for p-type dye-sensitized solar cells applications. <i>Journal of Alloys and Compounds</i> , 2014, 591, 275-279.	5.5	74
57	Understanding the Crystallization Mechanism of Delafossite CuGaO ₂ for Controlled Hydrothermal Synthesis of Nanoparticles and Nanoplates. <i>Inorganic Chemistry</i> , 2014, 53, 5845-5851.	4.0	70
58	Cyclometalated Ruthenium Sensitizers Bearing a Triphenylamino Group for p-Type NiO Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8641-8648.	8.0	68
59	Predictive Design Model for Low-Dimensional Organic-Inorganic Halide Perovskites Assisted by Machine Learning. <i>Journal of the American Chemical Society</i> , 2021, 143, 12766-12776.	13.7	68
60	The Effect of an Atomically Deposited Layer of Alumina on NiO in P-type Dye-Sensitized Solar Cells. <i>Langmuir</i> , 2012, 28, 950-956.	3.5	66
61	Chemical Synthesis of K ₂ S ₂ and K ₂ S ₃ for Probing Electrochemical Mechanisms in S Batteries. <i>ACS Energy Letters</i> , 2018, 3, 2858-2864.	17.4	64
62	Electrocatalytic Activity of Graphene Multilayers toward I ² /I ³⁻ : Effect of Preparation Conditions and Polyelectrolyte Modification. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15857-15861.	3.1	63
63	Mesoporous Nb-Doped TiO ₂ as Pt Support for Counter Electrode in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7456-7460.	3.1	59
64	Anchoring an Artificial Protective Layer To Stabilize Potassium Metal Anode in Rechargeable K ₂ O Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16571-16577.	8.0	57
65	Critical Role of Screw Dislocation in the Growth of Co(OH) ₂ Nanowires as Intermediates for Co ₃ O ₄ Nanowire Growth. <i>Chemistry of Materials</i> , 2010, 22, 5537-5542.	6.7	56
66	A double-acceptor as a superior organic dye design for p-type DSSCs: high photocurrents and the observed light soaking effect. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26103-26111.	2.8	55
67	pH-Tuning a Solar Redox Flow Battery for Integrated Energy Conversion and Storage. <i>ACS Energy Letters</i> , 2016, 1, 578-582.	17.4	55
68	The Long-Term Stability of KO ₂ in K ₂ O Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1227-1231.	13.8	55
69	Formation of Na _{0.44} MnO ₂ nanowires via stress-induced splitting of birnessite nanosheets. <i>Nano Research</i> , 2009, 2, 54-60.	10.4	53
70	Tunable Molecular MoS ₂ Edge-Site Mimics for Catalytic Hydrogen Production. <i>Inorganic Chemistry</i> , 2016, 55, 3960-3966.	4.0	53
71	Single-Crystal Mesoporous Silica Ribbons. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 332-336.	13.8	50
72	Probing Mechanisms for Inverse Correlation between Rate Performance and Capacity in K ₂ O Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4301-4308.	8.0	49

#	ARTICLE	IF	CITATIONS
73	Superoxide-Based O_2 Batteries: Highly Reversible Oxygen Redox Solves Challenges in Air Electrodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 11629-11640.	13.7	49
74	Photoinduced Electron Transfer Dynamics of Cyclometalated Ruthenium (II)-Naphthalenediimide Dyad at NiO Photocathode. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18315-18324.	3.1	44
75	Photoelectrochemical Study of the Ilmenite Polymorph of CdSnO_3 and Its Photoanodic Application in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6802-6807.	3.1	42
76	$[\text{MoO}(\text{S}_2)_2\text{L}]^{2+}$ (L = picolinate or pyrimidine-2-carboxylate) Complexes as MoS_2 -Inspired Electrocatalysts for Hydrogen Production in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2016, 138, 13726-13731.	13.7	41
77	Antiperovskite Superionic Conductors: A Critical Review. <i>ACS Materials Au</i> , 2021, 1, 92-106.	6.0	41
78	A dehydrobenzoannulene-based two-dimensional covalent organic framework as an anode material for lithium-ion batteries. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 97-101.	3.4	37
79	Alkynyl-Based Covalent Organic Frameworks as High-Performance Anode Materials for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41628-41636.	8.0	37
80	Characterization of heat transfer along a silicon nanowire using thermoreflectance technique. <i>IEEE Nanotechnology Magazine</i> , 2006, 5, 67-74.	2.0	36
81	Preparation, characterization, and electrocatalytic performance of graphene-methylene blue thin films. <i>Nano Research</i> , 2011, 4, 124-130.	10.4	35
82	Dye-Controlled Interfacial Electron Transfer for High-Current Indium Tin Oxide Photocathodes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6857-6861.	13.8	35
83	Antraquinone Redox Relay for Dye-Sensitized Photoelectrochemical H_2O_2 Production. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10904-10908.	13.8	35
84	Molecular Orbital Engineering of a Panchromatic Cyclometalated Ru(II) Dye for p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16518-16525.	3.1	34
85	Greatly Enhanced Anode Stability in O_2 Batteries with an In Situ Formed Solvent- and Oxygen-Impermeable Protection Layer. <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	34
86	Ambient Pressure X-ray Photoelectron Spectroscopy Investigation of Thermally Stable Halide Perovskite Solar Cells via Post-Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43705-43713.	8.0	34
87	Anion-Redox Mechanism of $\text{MoO}(\text{S}_2)_2(2,2\text{-bipyridine})$ for Electrocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2017, 139, 4342-4345.	13.7	33
88	From O_2 to Air Batteries: Realizing Superoxide Batteries on the Basis of Dry Ambient Air. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10498-10501.	13.8	33
89	Antiperovskite K_3OI for K-Ion Solid State Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7120-7126.	4.6	33
90	Sonochemical synthesis of copper hydride (CuH). <i>Chemical Communications</i> , 2012, 48, 1302-1304.	4.1	32

#	ARTICLE	IF	CITATIONS
91	Building a Reactive Armor Using S-Doped Graphene for Protecting Potassium Metal Anodes from Oxygen Crossover in $\text{K}^{\ominus}\text{O}_{2}$ Batteries. ACS Energy Letters, 2020, 5, 1788-1793.	17.4	32
92	Pursuing graphite-based K-ion O_{2} batteries: a lesson from Li-ion batteries. Energy and Environmental Science, 2020, 13, 3656-3662.	30.8	31
93	The Long-Term Stability of KO_{2} in $\text{K}^{\ominus}\text{O}_{2}$ Batteries. Angewandte Chemie, 2018, 130, 1241-1245.	2.0	30
94	Existence of Ligands within Sol-Gel-Derived ZnO Films and Their Effect on Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 43116-43121.	8.0	28
95	Dirhodium(II,II)/NiO Photocathode for Photoelectrocatalytic Hydrogen Evolution with Red Light. Journal of the American Chemical Society, 2021, 143, 1610-1617.	13.7	28
96	2H-CuScO_{2} Prepared by Low-Temperature Hydrothermal Methods and Post-Annealing Effects on Optical and Photoelectrochemical Properties. Inorganic Chemistry, 2015, 54, 5519-5526.	4.0	27
97	A Bioinspired Molybdenum Catalyst for Aqueous Perchlorate Reduction. Journal of the American Chemical Society, 2021, 143, 7891-7896.	13.7	26
98	Assembly of spherical micelles in 2D physical confinements and their replication into mesoporous silica nanorods. Journal of Materials Chemistry, 2007, 17, 4558.	6.7	24
99	Dye-sensitized photocathodes for oxygen reduction: efficient H_{2}O_{2} production and aprotic redox reactions. Chemical Science, 2019, 10, 5519-5527.	7.4	23
100	Excimer-Mediated Intermolecular Charge Transfer in Self-Assembled Donor-Acceptor Dyes on Metal Oxides. Journal of the American Chemical Society, 2019, 141, 8727-8731.	13.7	22
101	Bilayer Dye Protected Aqueous Photocathodes for Tandem Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2017, 121, 8787-8795.	3.1	21
102	Phase Transfer-Mediated Degradation of Ether-Based Localized High-Concentration Electrolytes in Alkali Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	21
103	Concentrated Electrolyte for the Sodium-Oxygen Battery: Solvation Structure and Improved Cycle Life. Angewandte Chemie, 2016, 128, 15536-15540.	2.0	20
104	A reaction-and-assembly approach using monoamine zinc porphyrin for highly stable large-area perovskite solar cells. Science China Chemistry, 2020, 63, 777-784.	8.2	19
105	$\text{K}_{3}\text{SbS}_{4}$ as a Potassium Superionic Conductor with Low Activation Energy for $\text{K}^{\ominus}\text{S}$ Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
106	Decoupling pH Dependence of Flat Band Potential in Aqueous Dye-Sensitized Electrodes. Journal of Physical Chemistry C, 2019, 123, 8681-8687.	3.1	17
107	Designing Potassium Battery Salts through a Solvent-in-Anion Concept for Concentrated Electrolytes and Mimicking Solvation Structures. Chemistry of Materials, 2020, 32, 10423-10434.	6.7	16
108	Single Potassium-Ion Conducting Polymer Electrolytes: Preparation, Ionic Conductivities, and Electrochemical Stability. ACS Applied Energy Materials, 2021, 4, 4156-4164.	5.1	14

#	ARTICLE	IF	CITATIONS
109	Electron Transfer Kinetics of a Series of Bilayer Triphenylamine- <i>l</i> -Oligothiophene- <i>l</i> -Perylenemonoimide Sensitizers for Dye-Sensitized NiO. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20720-20728.	3.1	13
110	Alkali-Oxygen Batteries Based on Reversible Superoxide Chemistry. <i>Chemistry - A European Journal</i> , 2018, 24, 17627-17637.	3.3	13
111	An Indacenodithieno[3,2- <i>b</i>]thiophene-Based Organic Dye for Solid-State <i>p</i> -Type Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2019, 12, 3243-3248.	6.8	13
112	Simultaneous Stabilization of Potassium Metal and Superoxide in K^+ O_2 Batteries on the Basis of Electrolyte Reactivity. <i>Angewandte Chemie</i> , 2018, 130, 11030-11033.	2.0	12
113	$KB_3H_8 \cdot NH_3 \cdot B_3H_7$ Complex as a Potential Solid-State Electrolyte with Excellent Stability against K Metal. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17378-17387.	8.0	12
114	Intramolecular Electric Field Construction in Metal Phthalocyanine as Dopant-Free Hole Transporting Material for Stable Perovskite Solar Cells with $\geq 21\%$ Efficiency. <i>Angewandte Chemie</i> , 2021, 133, 6364-6369.	2.0	11
115	Electrocatalytic Properties of Cuprous Delafossite Oxides for the Alkaline Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2017, 9, 3837-3842.	3.7	10
116	Use of Polarization Curves and Impedance Analyses to Optimize the Triple-Phase Boundary in K^+ O_2 Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2925-2934.	8.0	10
117	From K^+ O_2 to K^+ Air Batteries: Realizing Superoxide Batteries on the Basis of Dry Ambient Air. <i>Angewandte Chemie</i> , 2020, 132, 10584-10587.	2.0	10
118	A Graphite Intercalation Composite as the Anode for the Potassium-Ion Oxygen Battery in a Concentrated Ether-Based Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37027-37033.	8.0	9
119	$[Mo_2O_2S_8]^{2-}$ small molecule dimer as a basis for hydrogen evolution reaction (HER) catalyst materials. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	8
120	Achieving ultralong cycle life graphite binary intercalation in intermediate-concentration ether-based electrolyte for potassium-ion batteries. <i>Carbon</i> , 2022, 196, 229-235.	10.3	8
121	K^+ Single Cation Ionic Liquids Electrolytes with Low Melting Asymmetric Salt. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11407-11413.	3.1	8
122	Measurements of Bi_2/Te_3 nanowire thermal conductivity and Seebeck coefficient. , 0, , .		7
123	Interfacial design of new generation of dye-sensitized photoelectrochemical cells for water oxidation. <i>Science China Chemistry</i> , 2018, 61, 1203-1204.	8.2	7
124	Anthraquinone Redox Relay for Dye-Sensitized Photoelectrochemical H_2/O_2 Production. <i>Angewandte Chemie</i> , 2020, 132, 10996-11000.	2.0	7
125	Unusual Melting Trend in an Alkali Asymmetric Sulfonamide Salt Series: Single-Crystal Analysis and Modeling. <i>Inorganic Chemistry</i> , 2021, 60, 14679-14686.	4.0	5
126	Low frequency noise in chemical vapor deposited MoS_2 . , 2013, , .		4

#	ARTICLE	IF	CITATIONS
127	K ₃ SbS ₄ as a Potassium Superionic Conductor with Low Activation Energy for K ⁺ S Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
128	Phase Transfer-Mediated Degradation of Ether-Based Localized High-Concentration Electrolytes in Alkali Metal Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
129	Preface: Forum on New Materials and Approaches for Beyond Li-ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4281-4281.	8.0	2
130	Engineering Nanostructures for Single-Molecule Surface-Enhanced Raman Spectroscopy. <i>Israel Journal of Chemistry</i> , 2006, 46, 283-291.	2.3	1
131	Electron transport in large-area epitaxial MoS ₂ . , 2014, , .		1
132	NANOCRYSTALLINE OXIDE SEMICONDUCTORS FOR DYE-SENSITIZED SOLAR CELLS. , 2011, , 127-173.		0
133	Exploring Thermal Properties of MoS ₂ Using In Situ Quantitative STEM. <i>Microscopy and Microanalysis</i> , 2016, 22, 912-913.	0.4	0
134	Frontispiece: Alkali-Oxygen Batteries Based on Reversible Superoxide Chemistry. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
135	Photoelectrochemical H ₂ O ₂ Production from Oxygen Reduction. <i>ACS Symposium Series</i> , 2020, , 93-109.	0.5	0
136	Frontispiece: Intramolecular Electric Field Construction in Metal Phthalocyanine as Dopant-Free Hole Transporting Material for Stable Perovskite Solar Cells with >21% Efficiency. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	13.8	0
137	Frontispiz: Intramolecular Electric Field Construction in Metal Phthalocyanine as Dopant-Free Hole Transporting Material for Stable Perovskite Solar Cells with >21% Efficiency. <i>Angewandte Chemie</i> , 2021, 133, .	2.0	0
138	Vibrational Spectroscopy of Beam-Sensitive Materials in the Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , 2021, 27, 592-594.	0.4	0
139	Engineering Nanostructures for Single-Molecule Surface-Enhanced Raman Spectroscopy. <i>Israel Journal of Chemistry</i> , 2006, 46, 283-291.	2.3	0
140	Forum on Emerging Materials for Catalysis and Energy Applications: In Memory of Professor Chia-Kuang (Frank) Tsung. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51807-51808.	8.0	0